



BYD **e6** 2015 *The Future Starts Now*



0 EMISSION
PURE ELECTRIC

\$ Economic Benefits Shenzhen Case



Energy Saving		CO ₂ Tailpipe Emission Elimination
	One e6 Saving 54,860 USD in 5 Years	Average Gasoline Taxi
20.6 kWh	Energy Consumption / 100 km	9L
0.13/kWh	Energy Price (USD)	1.25/L
2.678	Cost/100 km	11.25
640,000	Highest Single Mileage (km)	640,000
17,140	Total Cost (USD)	72,000

The data collected was based on the highest single mileage of the e6 taxi in Shenzhen from May 2010 to Mar 2015.

Note: Calculation Based on Shenzhen Energy Price

0 Emissions **zero**

Zero Pollution
Zero emissions and low noise during driving.

100% Electric 

100% electric
Pure electric vehicle, no need for fossil fuels.

2 Hours 

Optimized Charging
2h fully charged from 0 to 100% SOC (State of Charge).

400 km 

Long Driving Range
400km driving range on a single charge(with regenerative braking to extend the range)

450 N.m 

Good Driving Performance
450 Nm high torque, responsive drive, 0-60 km/h 7.69 sec.

6.5 Days  power a home

Bi-directional charging & discharging
An e6 can transit power to home last over 6.5 days (If a home consumes 12 kWh/day)

BYD e6 2015 SPECS

Dimensions

length/width/height	4,560 mm / 1,822 mm / 1,630 mm
Wheelbase	2,830 mm
Track width (F/R)	1,585 / 1,560 mm
Curb weight	2,420 kg
Maximum load-bearing weight	375 kg
Tires	225 / 65 R17

Interior Dimensions

Seats	5
Head room (front/rear)	938 / 890 mm
Shoulder room (front/rear)	1,471 / 1,454 mm
Hip room (front/rear)	1,406 / 1,340 mm
Leg room (front/rear)	1,016 / 1,188 mm
Cargo volume	450L

Performance

Top speed	140 km / h
Minimum turning diameter	11.4m
Minimum ground clearance	120 mm
Approach angle/Departure angle	21°/ 25°
Range ①	400 km

Chassis

Overhang (F)	920 mm
Overhang (R)	810 mm
Braking	Regenerative braking, front double calipers, rear single calipers, disc brake
Steering	EHPS, variable for low & high speed maneuvers

Motor

Motor Type	AC Synchronous Motor(Brushless)
Maximum power	121 hp (90 kW)
Maximum torque	450 N.m

Battery

Battery Type	BYD Iron-Phosphate Battery
Capacity ②	80 kWh

Charging

Charging Time ③	2h
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NOTICE

① Actual range will vary depending upon driving/charging habits, speed, conditions, weather, temperature, and battery age.

② The battery capacity is initial capacity. It will decrease with time and use.

③ Charging time depends on the output power of the charging adapter. The battery age, outside ambient temperature both influence charging time as well.



Ocean-blue+Shine White



New Territories Green



Hong Kong Island Red



Maple Red



Nature Blue



Timo White



Tai Wan Yellow

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BYD ELECTRIC VEHICLE CHARGING SOLUTIONS



BYD charging points are small and easy to fit. As they don't require a special station, they can be easily placed anywhere a vehicle would be parked, such as home, work, shopping centres and public car parks.



BYD AC Charging Adapter

Applicable model	AC Charging
Length/width/height	690 / 400 / 200 mm
Input voltage	Three phase 380/400V AC
Input current	≤63A
Input power	≤40 kW
Working power frequency	50 / 60 Hz
Output voltage	AC 342V-440V (3 phase)
Output current	≤63A
Standby power	≤40 kW
Output coupler	GB/T 20234 / IEC 62196
Control method	Card swiping/touch screen
Insulation resistance	500V DC, ≥30 MΩ
Insulation voltage	AC 1,800V (input/output grounding)

Vertical Charging Carroussel

Quick Facts:

Space Efficient

Bi-Directional (In Function and Use)



Service Capability

2
2 parking space can be reconstructed to 12 charging space

12
12 charging space can serve 36 electric vehicles in a day

2 = 36
Parking Space Vehicles / Day

Specifications

Applicable model	e6
Parking quantity	12 sets
Parkable auto spec	4,560 × 2,068 × 1,800 mm
Weight	2,420 kg
Exterior size	6,600 × 5,500 × 17,000 mm
Drive motor power	18.5 kW
Chain recycling speed	4.8 m/min
Distributed charging power	500 kW
Control method	PLC
Power supply	3 phase 380/400V AC



Reliable-Business Case Example

Largest All-Electric Vehicle Taxi Fleet-Shenzhen

Started: [May 2010](#)

Fleet: [850 taxis + 500 police cars](#)

Total Mileage: [Over 283 Million km](#)

Single Mileage: [Over 656,000 km \(Equivalent to 34 years' usage of a private car\)](#)

Battery: [Long Cycle Life \(Above 4,000 cycles\)](#)

As of Apr, 2015



HONG KONG



NEW YORK



BRUSSELS



SINGAPORE



EV Charging Tower

Floors: 10

Square for each floor: 1,256 m²

Parking space for each floor: 570 m²

Parking accommodation for each floor: 40

Planned total parking accommodation: 400

Quantity of vehicles can be served: 1,200

Charging power of each charging box: 40 kW

Gross Power: 14,400 kW

Transformer: 9 sets 2,000 KVA

High voltage distribution cabinet: 17 sets

Low voltage distribution cabinet: 54 sets

Facilities: Power distribution room (with basement), maintenance workshop, washing room, rest room (charging status, recharge system, invoice printing system, and living facilities)

